

# LAB.GRUPPEN

## LAB.GRUPPEN E-SERIES POWER AMPLIFIERS

Designed for ease of installation, these EnergyStar™ 2.1-compliant power amplifiers provide sonic performance and high power density in a single rack space. They feature a patented IDEEA output stage based on Class 'D' topology and new Rail Sensing Limiter (RSL) that optimizes output for various load conditions. Asymmetric loading allows "mixing and matching" of loads with varying impedances for maximum system efficiency. Other notable features are 50Hz high-pass filter (switchable per channel), Phoenix terminals, and signal-based auto-power-off/power-on. Comprehensive circuit protection and fault indication also included.



ITEM	(ST/CH) 2Ω	4Ω	8Ω	16Ω	PRICE
E4:2.....	200W	200W	100W	50W	CALL
E8:2.....	400W	400W	200W	100W	CALL
E12:2.....	600W	600W	300W	150W	CALL



## PEAVEY ARCHITECTURAL UMA1502 MIXER/AMPLIFIER

The UMA1502 includes one module port (for any single-space MMA™ Series mixer module), rear panel level control for modules, (1) balanced mic/telephone input for paging, (1) balanced mic/line input, (2) balanced line inputs, a non-mutable balanced output, 4Ω direct output, and 8Ω, 70V, and 100V transformer-balanced power outputs. The UMA1502 operates using up to 4 input channels, and also features a priority/muting system with internal signal override, external switch closure capability and threshold control. Includes mounting brackets for optional mounting.

ITEM	DESCRIPTION	PRICE
UMA1502.....	150W mixer/amplifier.....	638.00



## PEAVEY ARCHITECTURAL MMA SERIES

**MODULAR 9-CHANNEL MIXER/AMPS** All models include 8 module ports configurable for use with plug-in mixer modules, a dedicated program input (Channel 9), SPS™ speaker protection circuitry, bass and treble controls, 2 independent mute buses, a selectable low-cut filter, and external volume control capability. All models can handle 70V, 25V, 8Ω, and 4Ω loads. The MMA™ 8752 and MMA™ 81502 can also handle 100V export loads. Includes rack ears for optional rackmounting (2RU).

ITEM	DESCRIPTION	PRICE
MMA81502.....	150W RMS, 120/240V 9-channel mixer/amp.....	570.01
<b>MMA Series Plug-In Mixer Modules (all single-space except PEQM)</b>		
AUX-2.....	Line level input module with RCA/screw terminal connector.....	44.63
AUX-SR.....	Line level input module w/ext. remote control, screw terminal connector.....	49.73
MPE-S3.....	Mic preamp module with screw terminal connector, phantom power.....	44.75
MPT-S2.....	Transformer-balanced mic/line input module with screw terminal connector, phantom power, EQ.....	67.42
MPT-X2.....	Mic preamp module with transformer-balanced input, 24 VDC phantom power.....	54.80
OPM.....	Output module with Euro-style input connector.....	54.80
PEQM.....	2-space, 3-band parametric EQ module with +/-15dB boost/cut, 4 octave band freq. sweep, 120 dB dynamic range, 2 reconfigurable inputs & outputs, RCA line in/thru, Euro-style input.....	54.80
SEM.....	Signal enhancement preamp module with vocal clarity enhancement, bass filter, RCA in & out.....	54.80
TMP-AUTO.....	Transformer mic preamp with balanced mic level input, adjustable gate threshold, selectable phantom power and phase inversion, Euro-style input.....	67.42
TPM-S2.....	Telephone paging mic preamp module with transformer-balanced input, preamp gain & low cut filter, Euro-style input.....	67.42



## ATLAS SOUND TSD SERIES POWER AMPLIFIERS

TSD "Time Saving Device" power amplifiers feature rear-panel balanced Phoenix-style connectors, front panel gain control, peak/signal/power LEDs, and removable knobs – which allows for easy installation of the included front panel security cover. Models TSD-PA122G and TSD-PA252G are stereo, and provide 12W/channel at 4Ω (24W bridged mono at 8Ω) and 25W/channel at 4Ω (50W bridged mono at 8Ω) respectively, as well as providing unbalanced RCA inputs. Model TSD-PA10VG is mono and will drive up to (8) 25/70/100V speakers (tapped @ 1W ea.), while the mono TSD-PA20VG will drive up to (16) 25/70/100V speakers.



TSD-PA122G

ITEM	DESCRIPTION	(ST/CH) 4Ω	8Ω BRIDGED	PRICE
TSD-PA122G.....	Stereo power amplifier.....	12W.....	.24W.....	170.50
TSD-PA252G.....	Stereo power amplifier.....	25W.....	.50W.....	215.50
TSD-PA10VG.....	.10W, 25/70/100V mono power amplifier.....			120.50
TSD-PA20VG.....	.20W, 25/70/100V mono power amplifier.....			181.50

## ATLAS SOUND AA SERIES MIXER AMPLIFIERS

This line is designed for commercial audio applications. The AA35 is a 3-input mixer amp for distributed paging and background music (BGM) systems, and where music on hold (MOH) paging is required. The AA35 has 1 mic in with phantom power on a phoenix connector, 2 stereo line inputs, and dual line outputs. A dipswitch selectable matrix allows the creation of a zone 2 mix from any or all of the input sources for MOH applications. 25V, 70.7V and 8Ω outputs are provided. The AA60 is a 60W version of the AA35. The AA120 is a 120W mixer amp with 6 input channels (5-mic/line with phantom, and 1 stereo aux input). It also has a unique bridge in/out feature to combine multiple amps in ballroom applications without need for external relays and preamp out/power amp in for patching external processors. The AA240 shares the same preamp section as the AA120 but has 240W of power. The AA120M shares the bridge I/O, and VCA features of the AA120 but has 4 mic inputs, 1 stereo line (BGM) input, and room for one optional module card input. It has input trim control on each channel, and a separate zone 2/3 matrix per channel. VCA control is assignable to Ch5 BGM input or main mix bus.



ITEM	DESCRIPTION	PRICE
AA35.....	35W 3-input mixer amp.....	223.50
AA60.....	60W 3-input mixer amp.....	314.50
AA120.....	120W 6-input mixer amp.....	516.50
AA240.....	240W 6-input mixer amp.....	728.50
AA120M.....	120W 6-input mixer amp with module input.....	569.50
AAIT600.....	600Ω isolation input transformer for AA series.....	46.11
AARMK2-0.....	Optional rack kit for AA120, AA240 or AA120M.....	27.41
AARMK2-5.....	Optional rack kit for AA35.....	31.41
AAVCC5.....	5-piece security cover kit for all AA series amps.....	8.33
AASMG.....	Optional sound masking module for AA120M only.....	97.50
AAML.....	Optional mic/line input module with VCA for AA120M only.....	66.50
AATG.....	Optional tone/chime module for AA120M only.....	70.50

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### ATLAS SOUND POWER AMPS

The PA601 is for distributed background music systems where music on hold or advanced mix functionality is not required. It features 60W of power at 4Ω or 70.7V in a compact package with rear mounted RCA I/O. A unique loudness contour control provides the right amount of low frequency enhancement for low level listening environments. The CP400 and CP700 are dual-channel, professional grade power amps for demanding contractor applications. Both feature esoteric-grade toroidal output transformers and separate power supplies drive the 2 independent channels to ensure maximum channel separation and low distortion. Inputs are XLR and terminal blocks.



ITEM	DESCRIPTION	PRICE
PA601	60W @ 70.7C, 60W @ 4Ω (direct coupled mode)	299.50
CP400	200W @ 70.7V, 240W/channel @ 4Ω (direct coupled mode)	602.50
CP700	350W @ 70.7V, 400W/channel @ 4Ω (direct coupled mode)	728.50



**EV PA SERIES AMPLIFIERS** These compact rackmount power amps are designed for public address and paging/background music with 3-pin Phoenix-style balanced inputs. All models can be bridged in multi-channel models.

ITEM	CHANNELS	8Ω	4Ω	100V	70V	PRICE
PA2450L	2	200W	.450W	N/A	N/A	676.00
PA4150L	4	75W	.150W	N/A	N/A	790.00
PA2400T	2	200W	.400W	.400W	.400W	1029.00
PA2250T	2	125W	.250W	.250W	.250W	811.00
PA1250T	1	.N/A	.N/A	.250W	.250W	596.00



**CROWN COMMERCIAL AUDIO AMPS** Provide both 4Ω or 8Ω and constant-voltage outputs (70V and 100V) for use in a wide range of commercial applications. Easily configured for a range of uses such as paging, background music, security, and evacuation instructions. Features include balanced Phoenix-type mic/line inputs, screw-terminal speaker outputs, 4-tone generator, and priority muting.

ITEM	DESCRIPTION	PRICE
<b>Mixer Amplifiers</b>		
135MA	3 inputs into one channel 35W @ 8Ω amplifier	179.00
160MA	4 inputs into one channel 60W @ 8Ω amplifier	289.00
180MA	4 inputs into one channel 80W @ 4Ω amplifier	459.00
280MA	8 inputs into two channel 80W @ 4Ω amplifier	679.00
1160MA	4 inputs into one 160W @ 4Ω amplifier	599.00
<b>Power Amplifier Only versions (without mixer capability)</b>		
180A	Single-channel 80W @ 4Ω amplifier	369.00
280A	Dual-channel 80W @ 4Ω amplifier	499.00
1160A	Single-channel 160W @ 4Ω amplifier	499.00
<b>Mixer Only models, (no power amplifier sections)</b>		
14M	4-input, 1-output mixer with priority muting, Phoenix inputs	339.00
28M	8-input, 2-output mixer with priority muting, Phoenix inputs	459.00



### CC SERIES MIXER AMPLIFIERS

Each model offers different features, allowing you to choose the model best suited to your application. These 40-watt rack-mountable amplifiers are half the width of conventional audio equipment, allowing two CC-Series amplifiers to be placed side-by-side. They are ideal for installations with limited setup space because they can fit easily in custom equipment racks, lecterns, compact bookshelf audio systems, etc. Features on all models include: Individual volume controls for each input, priority muting, individual phantom power for MIC inputs, bass/treble controls, REC output as well as peak, signal, and power indicators. All are compatible with 70V, 25V, 4-ohm, and 8-ohm speaker systems. The CC4041 has two inputs; one balanced XLR mic/line and one RCA L/R input. The CC4041 has four inputs; three balanced XLR mic/line and one RCA L/R input. The CC4052 has 5 inputs: three balanced XLR mic/line, one RCA L/R input and one TEL input. The CC4052m has 6 inputs: three balanced XLR mic/line, one RCA L/R input, one TEL input, a USB input and SD card slot for media MP3/WMA files.

ITEM	DESCRIPTION	PRICE
CC4021	40W, 2-input mixer amp	153.78
CC4041	40W, 4-input mixer amp	170.87
CC4052	40W, 5-input mixer amp	205.04
CC4052M	40W, 6-input mixer amp with media player	239.21



**BOGEN GOLD SEAL SERIES 70V MIXER/AMP** Features 6 microphone inputs, 2 auxiliary inputs and 1 telephone paging input. XLR connectors are provided for mics 1-4; RCA jacks are provided for AUX; screw terminals for mics 5 and 6 and the telephone input. Output taps include: 8Ω, 25V, 25VCT, 70V and 100V, as well as direct 4Ω, 600Ω out (with accessory transformer), tape out, preamp out/power amp in, and booster out. They feature the Aphex Aural Exciter (a dual-function equalizer), phantom power for mics, precedence circuitry, automatic muting on telephone page, variable muting, vox sensitivity, automatic level control, remote volume control and low cut filter.

ITEM	DESCRIPTION	PRICE
GS35	35W	344.38
GS60	60W	422.31
GS100	100W	481.30
GS150	150W	554.16
GS250	250W	730.48
GSRPK/RKG60	19" rack panel kit (all models)	36.99
GSTRC	Tamper resistant cover	31.68
WMT1A	Telephone line matching transformer	32.50



**BOGEN CLASSIC SERIES** The Classic models offer balanced low impedance mic inputs, a built-in telephone input, a mic precedence circuit and thermal and electrical circuit breakers for protection from excessive heat and shorted outputs/overloads. UL and CSA listed.

ITEM	DESCRIPTION	PRICE
C10	2 inputs (2 mic or 1 mic/1 aux), 10W	168.32
C20	2 inputs (2 mic or 1 mic/1aux), 20W	205.35
C35	3 inputs (2 mic/1 aux or 475.861 1 mic/2 aux), 35W	284.66
C60	3 inputs (2 mic/1 aux or mic/2 aux), 60W	362.96
C100	3 inputs (2 mic/1 aux or 1 mic/2 aux), 100W	418.82
<b>Accessory Rack Kit</b>		
RPK50	For C100C, C60C, C35C	44.78
RPK35B	For C20C, C10C	71.70

## ACCESSORIES



**CROWN COMMERCIAL AUDIO AMPS** Provide both 4Ω or 8Ω and constant-voltage outputs (70V and 100V) for use in a wide range of commercial applications. Easily configured for a range of uses such as paging, background music, security, and evacuation instructions. Features include balanced Phoenix-type mic/line inputs, screw-terminal speaker outputs, 4-tone generator, and priority muting.

ITEM	DESCRIPTION	PRICE
<b>Mixer Amplifiers</b>		
135MA	3 inputs into one channel 35W @ 8Ω amplifier	179.00
160MA	4 inputs into one channel 60W @ 8Ω amplifier	289.00
180MA	4 inputs into one channel 80W @ 4Ω amplifier	459.00
280MA	8 inputs into two channel 80W @ 4Ω amplifier	679.00
1160MA	4 inputs into one 160W @ 4Ω amplifier	599.00
<b>Power Amplifier Only versions (without mixer capability)</b>		
180A	Single-channel 80W @ 4Ω amplifier	369.00
280A	Dual-channel 80W @ 4Ω amplifier	499.00
1160A	Single-channel 160W @ 4Ω amplifier	499.00
<b>Mixer Only models, (no power amplifier sections)</b>		
14M	4-input, 1-output mixer with priority muting, Phoenix inputs	339.00
28M	8-input, 2-output mixer with priority muting, Phoenix inputs	459.00

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**InterM****INTER-M AMERICAS INC.****MA-U SERIES****MIXER-AMPLIFIERS**

These mixer/amplifiers are ideal for a variety of applications including education, fitness, retail and hospitality. All models include a digital portable media player that plays MP3/WMA/WAV audio files, distributed to up to 5 speaker zones, either independently or all zones simultaneously. The switch mode power supply guarantees that these Class 'D' amps deliver high output with low power consumption while the 5-band EQ and VCA remote master volume ensure audio quality. Other features include front panel Chime & Siren with external trigger, external mute and telephone paging input, front panel USB connector for flash drives, 10-segment LED meter and front-panel 1/8" jack for auxiliary sound sources.



ITEM	DESCRIPTION	PRICE
MA-206USB	60W @ 4Ω, LOW-Z, 100V, 70V 6-input mixer/amplifier	481.75
MA-212USB	120W @ 4Ω, LOW-Z, 100V, 70V 6-input mixer/amplifier	526.56
MA-224USB	240W @ 4Ω, LOW-Z, 100V, 70V 6-input mixer/amplifier	634.06

**INTER-M AMERICAS INC 6300 SERIES COMMERCIAL POWER AMPLIFIERS**

These rugged and reliable 3RU amps are flexible and powerful enough for almost any installed sound application, such as sound reinforcement, background music or paging. The onboard 400Hz high pass filter and rear panel -12dB gain trim pot protect both the amplifier and the speakers from equipment-damaging transients, while the front-panel LED meter allows for visual tracking of output levels. These extremely reliable amps offer a comprehensive thermal/electrical protection circuit and also feature thermistor-protected output and quiet multi-stage fans. All models operate at either 4/8Ω or 70/100V, and offer a 95dB signal-to-noise ratio and less than 1% THD.

ITEM	DESCRIPTION	PRICE
PA-6312	120W, 4/8Ω or 70/100V power amplifier	429.50
PA-6324	As above, 240W version	481.75
PA-6336	As above, 360W version	535.50
PA-6348	As above, 480W version	680.13

**GALAXY AUDIO JIB/PA50**

**JACKS IN THE BOX COMPACT POWER AMPLIFIER** The JIB/PA50 is great for classrooms, boardrooms, conference rooms, and small systems. It features a compact, lightweight form for a wide range of applications. The JIB/PA50 has a 50W (2x25W) Class D amplifier in only a quarter rack width design. The energy-efficient amplifier automatically goes into standby mode if no input signal is sensed for 20 minutes, dropping power consumption to only 0.8W. The three stereo inputs are on (2) pair of RCA L/R and (1) 1/8", a 1/8" microphone input and separate line and mic gain. Stereo speaker outputs on phoenix block connectors.

ITEM	DESCRIPTION	PRICE
JIB/PA50	Compact 50W power amplifier	115.50



**JBL CSMA SERIES MIXER-AMPLIFIERS** These are highly efficient, fanless 1RU mixer-amplifiers. Available in single channel and two channel models with four or eight inputs, respectively. The front panel features volume controls with an illuminated ring for each channel, master volume adjustment, adjustable bass and treble controls and a power switch. The CSMA series can drive 8Ω and 4Ω loads and can be used with 70V and 100V distributed audio systems. In addition to balanced mic/line inputs, unbalanced RCA inputs and speaker connections, all units include RJ45 connectors for use with JBL CSR-V in-wall volume controls. All models feature a universal power supply which enables the ability to accept AC voltages from 100 to 240 VAC, 50/60Hz.

ITEM	DESCRIPTION	PRICE
CSMA-180	80W, single-channel 4-input mixer-amplifier	449.00
CSMA-1120	120W, single-channel 4-input mixer-amplifier	599.00
CSMA-240	40W, two-channel 8-input mixer-amplifier	519.00
CSMA-280	80W, two-channel 8-input mixer-amplifier	649.00
CSMA-2120	120W, two-channel 8-input mixer-amplifier	739.00

**JBL CSA2120 SERIES**

A professional-grade 2-channel audio amp built for installed sound applications, providing simple analog front-end processing. Features 2 inputs, 2 outputs with 120W @ 4Ω or 8Ω, uncolored sound, detachable Euroblock I/O, switch mode universal power supply and more. The CST-2120 transformer module provides impedance and voltage matching for the CSA-2120 amplifier to drive 70V and 100V distributed speaker systems.

ITEM	DESCRIPTION	PRICE
CSA2120	Commercial amp, 120W @ 4Ω and 8Ω	CALL
CST2120	Transformer module for the CSA2120, 70V/100V operation	CALL

**Nexkon****NEXKON RA1060 DIGITAL MIXING P.A.**

**AMPLIFIER** This compact mixing amp has front-panel volume control for each of 3 aux/line inputs, located on rear of unit. Mic input and gain controls for both mic channels (2nd mic input on back), as well as master volume, treble and bass controls are also located on the front. Also features rock, pop, classic, jazz and normal effects, with LED indicators for each on front.

ITEM	DESCRIPTION	PRICE
RA1060	Digital mixing PA amp	115.50

**ROLLS CORPORATION MA66 2-ZONE MIXER/AMPLIFIER**

This IRU, 2-zone mixer/amplifier is easy enough for anyone to use, but flexible enough to fill almost any installation requirement. Seven inputs on (4) RCA, (2) XLR, (1) 1/8" and 2 zones plus main output ensure there's plenty of available I/O. This unit also includes individually switchable phantom power on the two XLR mic inputs, zone-assignable "talk-over" circuit with adjustable ducking release and rear panel phoenix connectors for remote control. The cool-running Class 'D' power amp provides 20W of output power per zone.

ITEM	DESCRIPTION	PRICE
MA66	40W 2-zone mixer/amplifier	277.20

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ACCESSORIES

**QSC CMX SERIES****POWER AMPS**

All models drive low-impedance loads down to 2 ohms and have barrier strip, XLR and 1/4" TRS inputs, Speakon™ and terminal block outputs. Other features include recessed and detented 1dB gain controls with security covers, as well as recessed rear DIP switches. All models can drive 70V and 100V (CMX300VA is 70V only) systems in bridged mono mode while the 800 and 200 models can drive them in stereo mode (70V only on the 800). The amp section features Class "AB" and Class "H" architecture, and all models also feature a high-current toroidal transformer. All models offer DC current protection systems and automatic current limiting to prevent damage from shorted inputs. All are 2RU tall, except for the CMX2000VA (3RU tall).

MODEL	8Ω/ST	4Ω/ST	70V/ST DRCT DRIVE	70V DRCT DRIVE/BRGD MONO	PRICE
CMX300VA	185W	280W	N/A	600W	480.00
CMX500VA	260W	400W	N/A	1200W	620.00
CMX800VA	450W	650W	400W	2000W	870.00
CMX2000VA	1050W	1600W	2500W	5000W	1780.00

**QSC ISA SERIES**

Available in either low impedance versions and 25/70/100V versions. Housed in a rugged 3-space rack-mount chassis, features rear controls, XLR and Euroblock inputs and barrier strip for outputs, selectable high pass filters and variable speed fan. The "TI" versions will drive both 4Ω/8Ω loads and high voltage distributed systems on the same channel simultaneously.

ITEM	8Ω	4Ω	2Ω	70V	PRICE
ISA280	185W	280W	430W	479.99	
ISA300TI	185W	280W	430W	300W	629.99
ISA450	260W	425W	700W	579.99	
ISA500TI	260W	425W	700W	500W	739.99
ISA750	450W	650W	1200W	779.99	
ISA800TI	450W	650W	1200W	800W	949.99
ISA1350	800W	1300W	2000W	1500W	1479.99

**ROLLS PA202 STEREO 20W/****CHANNEL AMP**

This lightweight and compact Class 'D' amp has 20W per channel stereo @ 4Ω, and 40W when in bridge/mono mode @ 8Ω. The Class 'D' low-heat design enables it to be mounted in very tight applications. Works great in ceilings with projectors, or anywhere small and heat free amplification is required. Has an all-metal chassis and bottom mounts are provided for permanent installations. It has an included 24VDC IEC laptop-type external power supply.

ITEM	DESCRIPTION	PRICE
PA202	Stereo 20W/channel Class 'D' amp	157.50

**RADIO DESIGN LABS EZ-MXA20 MIXER AMP**

A stereo mixer amplifier with (1) XLR mic input and (2) RCA line inputs. The front panel has level controls for each channel as well as bass and treble controls. It is rated at 10W RMS per channel at with an 8Ω load.

Other features include phantom power and switchable speaker impedance (4Ω or 8Ω). The optional TX-70A interface allows the EZ-MXA20 to be used with 70V systems, while the TX-J2 can be used to sum stereo output to a single mono channel.

ITEM	DESCRIPTION	PRICE
EZ-MXA20	Mixer/amp, 3-channel, 2x10W	223.64
TX70A	Speaker level input interface	231.90
TXJ2	Unbalanced input transformer	58.40



The Difference is Hear.



NEW!

**STEWART AUDIO CVA SERIES MONO SUBCOMPACT 70/100V**

**NETWORK AMPLIFIERS** The CVA50-1 NET and NET+ are 50W mono 70/100V net-workable amplifiers that are available in either Dante™ or CobraNet configurations. The CVA50-1 NET is a network input-only amplifier that receives a signal over the Dante™ or CobraNet network and amplifies that signal to a single 70/100V speaker via a Euroblock output connection. The CVA50-1 NET+ adds a local input alongside the network input and allows for priority switching between the two inputs, as well as featuring remote volume control. These lightweight 1/3-rack Class D amplifiers are made in the USA and are well-suited for applications such as classrooms, restaurants, or retail stores. An external 48VDC inline power supply is included with these units.

ITEM	DESCRIPTION	PRICE
CVA50-1-NET	50W 70/100V mono network amplifier with CobraNet input	429.00
CVA-50-1-NET	As above, with Dante™ input	499.00
CVA50-1-NET+	50W 70/100V mono network amplifier with CobraNet and local inputs	455.00
CVA-50-1-NET+	As above, with Dante™ and local inputs	529.00



NEW!

**STEWART AUDIO FLX SERIES**

**4-CHANNEL DSP-ENABLED NETWORK AMPLIFIERS** The FLX80-4 is a 4-channel network amplifier that features 80W of power per channel at 4Ω and includes built-in DSP, RS232 control and CobraNet or Dante™ network capabilities. The amplifier features a USB port for programming settings across multiple units, allowing for quick, repeatable setup across large installations. The onboard DSP functions allow for control over settings such as signal routing, filtering and bridging, and the RS232 control allows for remote volume control from a wide variety of devices. The FLX80-4-70V has all the features of the FLX80-4 but is designed for use with 70/100V systems. These half-rack amplifiers are made in the USA and are designed for use in network audio applications such as hospitality installations, classrooms, conference rooms or houses of worship.

ITEM	DESCRIPTION	PRICE
FLX80-4	4-Channel DSP-enabled network amplifier with CobraNet network interface, 80W per channel @ 4Ω	1139.00
FLX80-4-DANTE	As above, with Dante™ network interface	1349.00
FLX80-4-70V-CN	4-channel DSP-enabled network amplifier for 70/100V systems with CobraNet network interface, 80W per channel	1289.00
FLX80-4-70V-DANTE	As above, with Dante™ network interface	1349.00

**RADIO DESIGN LABS EZ-PA20 AND TX-PA40D STEREO POWER AMPS**

EZ-PA40D offers 10W RMS per channel into 8Ω, and 8W RMS per channel into 4Ω. Features include switch-selectable load impedance, switch-selectable stereo/mono mode, and integral overload limiter with LED. TX-PA40D offers 20W RMS per channel into 8Ω (40W total), and 15W RMS per channel into 4Ω (30W total). Features include switch-selectable stereo/mono operation, compressor/limiter, LED to indicate audio compression threshold, thermal and short-circuit protection. Includes power cord.

ITEM	DESCRIPTION	PRICE
EZ-PA20	20W stereo audio power amp with power supply	127.77
TX-PA40D	40W stereo audio power amp with power supply	220.95

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**TOA LINE INPUT AMPS**

These are for background music and general announcement and ideal for use in bars, retail stores, and banquet rooms. The BG-200 series are 3-input mixer amps and are equipped with MOH out, permitting 2-channel broadcast when used in conjunction with the optional BA-200 series power amps. LINE 2/3 outputs equipped with RCA pin jacks. Removable terminal blocks and rear-mounted DIP switches for fast and easy installation/setup. Auto Mute sensing control for setting mute activation threshold and manual mute function. The BA-200 series offers remote master volume control by using an external volume control, and RCA line input jacks.

ITEM	DESCRIPTION	PRICE
BG220CU	Mixer/amp, 20W, mic/line in, 2 line in, MOH/ZONE 2 out, black, 2RU	CALL
BG235CU	Mixer/amp, 35W, mic/line in, 2 line in, MOH/ZONE 2 out, black, 2RU	CALL
BA235CU	Power amp, 35W, line in, remote volume, black, 2RU	CALL
BA260CU	Power amp, 60W, line in, remote volume, black, 2RU	CALL



A724



BG220CU REAR

**TOA 700 SERIES MIXER/AMPS** Features include 6-mic/line inputs, 2 auxiliary line inputs and a 900 Series module port. Speaker outputs consist of 70.7V, 25V and 4Ω. An auxiliary line output can be used for recording or connection to an external booster amplifier. An Auto-Mute function provides voice-activated priority override and channel switching. Other features include channel and master volume controls, bass/treble, processor insert jacks and output level meter. Master volume and power on/off can also be controlled remotely. Short-circuit and thermal protection circuitry ensures extended operation. 5-year warranty.

ITEM	DESCRIPTION	PRICE
A706	.60W	CALL
A712	.120W	CALL
A724	.240W	CALL
MB25B	Rackmount kit	CALL
YA920	.Volume control security knob	CALL



DA250FH

DA250FH REAR



**TOA DA SERIES AMPS** Engineered with independent power supplies for each channel and Class 'D' technology, these amplifiers operate at 85% efficiency and consume almost 1/3 less power than conventional analog amplifiers. A compact, lightweight (14.6 lbs.) 1RU design and ultra-low heat dissipation allow racking up to 5 units without open space between units. Other features include recessed stepped attenuators for precise gain calibration, removable dust filters for easy maintenance, and optional isolation transformer. Input connections are provided via detachable Euro style terminal block (electrically balanced), and outputs are provided on screw terminals (M4) that accept 14-22 AWG wire.

MODEL	(PER CH)	8Ω	4Ω	70V	PRICE
DA250FCU	4-channel amp.	170W	250W	N/A	CALL
DA250FHCU	4-channel amp.	N/A	N/A	250W	CALL
DA500FHLCU	4-channel amp.	550W	N/A	500W	CALL
DA550FCU	4-channel amp.	370W	550W	N/A	CALL
DA250DCU	2-channel amp.	170W	250W	N/A	CALL
DA250DHCU	2-channel amp.	N/A	N/A	250W	CALL



A9060DHM2CU

**TOA 9000M2 SERIES MODULAR DIGITAL MATRIX MIXERS/ AMPLIFIERS**

These mixer amplifiers provide an all-in-one solution, combining a mixer with DSP and a 10-band parametric EQ, compressor, 4 priority levels of ducking, power amplification, auto-mixing, 8 module ports, and control options for phone paging and noise-sensing. Optional modules can be added to maximum of 8 input x 8 outputs. They accept the same modules used in the original 9000 series as well as some new modules unique to the M2 series. The 9000M2 series adds new remote-control functionality, an enhanced GUI interface and improved serial communication. Programming software is included and the series has a 5-year manufacturer's warranty.

ITEM	DESCRIPTION/OUTPUTS	PRICE
A9060SM2CU	.....(1) 60W @ 25/70V output, 4Ω/8Ω, (1) line level output built in.....CALL	
A9120SM2CU	.....(1) 120W @ 25/70V output, 4Ω/8Ω, (1) line level output built-in.....CALL	
A9240SHM2CU	.....(1) 240W @ 70V, (1) line level output built-in.....CALL	
A9060DHM2CU	.....(2) 60W @ 70V output, 300Ω preamp out.....CALL	
A9120DHM2CU	.....(2) 120W @ 70V output, 300Ω preamp out.....CALL	
M9000M2CU	Digital matrix mixer only (no amp).....CALL	
D001T	Dual-mic/line input module with DSP.....CALL	
D001R	Dual-line input RCA.....CALL	
T001T	Dual-line output expansion model with DSP.....CALL	
ZP001T	Telephone DTMF zone paging module.....CALL	
C001T	Input/output control expansion module.....CALL	
AN001T	Ambient noise control module.....CALL	
AN9001	Ceiling mic for ambient noise control.....CALL	
ZM9001	Remote switch panel.....CALL	
ZM9002	Remote volume switch panel.....CALL	
ZM9003	Zone manager.....CALL	
SS9001	4-zone speaker selector.....CALL	
RC001T	RS485 control module.....CALL	
AD246	Power supply for RC001T.....CALL	
ZM9011	4 assignable buttons with LED indicators.....CALL	
ZM9012	Assignable volume controller with LED indicators.....CALL	
ZM9013	8 assignable buttons with LED indicators.....CALL	
ZM9014	4 assignable buttons + assignable volume control both with indicators.....CALL	



BG2120



BG2120 REAR

**TOA BG-2000 SERIES MIXER/AMPS** The new BG-2000 Series Mixer/Amplifier is a total redesign of BG-1000 Series. They feature a newly-engineered chassis, removable euro-block connectors, assignable MOH/Second Zone source assignment and access to mute priority and other settings via rear panel DIP switches. A module slot accepts optional 900 Series plug-in modules for custom system configurations. A variety of useful muting modes include an Auto-Mute function for voice-activated paging override of the BGM channels without interrupting the MOH output. Inputs include Mic, Line 1/Telephone (euro-block), line 2 and line 3 (RCA and euro-block). Outputs include transformer-isolated 25V and 70V; 4Ω, music-on-hold and line out (euro-block). UL and cUL listed. 5-year warranty. Optional rackmount available.

ITEM	DESCRIPTION	PRICE
BG2035	35W mixer/amp.....CALL	
BG2060	60W mixer/amp.....CALL	
BG2120	120W mixer/amp.....CALL	
MB1000	Rackmount for BG series.....CALL	



### TOA 900 SERIES COMMERCIAL AMPLIFIERS

The most complete and versatile amplifier line available. All models are modular and require optional input modules to determine the functionality of each input. There are 35 different input modules available. All models will operate at either 70V or 25V, or low impedance. Modules not included.



**TOA A900 SERIES MIXER AMPS** These modular mixer/amplifiers are engineered for high performance with wide frequency response, very low noise and distortion, and excellent output regulation. Pre-Out/Power-In jacks allow connection of external signal processing between the mixer and amplifier sections. Come with 8 input module ports, 2 mute circuits, tone controls, remote master level capability, insert point. Please consult input modules listing for list of available modules.

ITEM	DESCRIPTION	PRICE
A903MK2UL	30W mixer amp, 25V/70V/4Ω	CALL
A906MK2UL	60W mixer amp, 25V/70V/8Ω	CALL
A912MK2UL	120W mixer amp, 25V/70V/8Ω	CALL
M900MK2UL	Mixer, no amplifier	CALL
MB25B	Rackmount kit	CALL

**TOA INPUT MODULES** These modules allow maximum design flexibility. Most are available in a variety of terminal configurations including XLR, RCA, screw and phone jack. Popular versions are listed below, call for others.

ITEM	DESCRIPTION	PRICE
B01ST	Balanced line-in, screw	CALL
B41S	Phone paging/mute module	CALL
L01F	Line matching transformer	CALL
L01S	600Ω balanced line, screw	CALL
L11S	600Ω balanced line with muting, screw	CALL
L41S	600Ω balanced line with signal activated muting, screw	CALL
M01F	Mic input, FXLR	CALL
M01S	Mic input, screw	CALL
M11S	Mic input with muting, screw	CALL
M21S	Microphone preamp module	CALL
M51F	Mic preamp with gate	CALL
M61F	Mic preamp with compressor	CALL
S04ST	Switch selectable tone	CALL
T01ST	600Ω balanced line output, screw	CALL
U01R	Unbalanced line-in, RCA	CALL
U01ST	Unbalanced line-in, screw	CALL
U03R	Stereo RCA input with HP/LP filters	CALL
U11R	Unbalanced line-in, muting, RCA	CALL
U11ST	Aux preamp module	CALL
U14R	Dual input priority with AGC	CALL
U21S	Aux input module	CALL
V01S	Remote VCA master volume	CALL



**TOA P-900 SERIES POWER AMPS** These are modular single-channel power amplifiers for paging, background/foreground music distribution and music/messaging-on-hold. All feature one 900 Series input module slot for custom system configuration. All include 25V, 70V and 8Ω transformer-isolated speaker outputs with screw terminal connector and protective cover plate, and a 5-year warranty. Please consult input modules listing for list of available modules.

ITEM	DESCRIPTION	PRICE
P906MK2UL	60W power amplifier, 2RU	CALL
P912MK2UL	120W power amplifier, 2RU	CALL
P924MK2UL	240W power amplifier, 3RU	CALL
MB25B	Rackmount kit for P906/P912	CALL
MB35B	Rackmount kit for P924	CALL



**YAMAHA PA2030 COMPACT CLASS D MIXER/AMPLIFIER** The PA2030 is a mixer/amplifier that can operate as a 70/100V or as a low impedance amplifier and features 2 stereo inputs and a built-in EQ. In low impedance ( $3\Omega/4\Omega$ ) mode the mixer/amplifier can provide up to 30W of power to two channels, or in 70/100V modes it can provide 60W of power to a single channel. The first stereo input is an unbalanced RCA connection while the second stereo input uses a balanced dual 1/8" Euroblock 3-pin connection. Includes AC power cable and two 1/8" Euroblock 3-pin plugs.

ITEM	DESCRIPTION	PRICE
PA2030	Compact combo mixer/amplifier	COMING SOON!



### YAMAHA MA2030 COMPACT CLASS D MIXER/AMPLIFIER WITH DSP

The MA2030 is a mixer/amplifier that can operate as a 70V/100V or low impedance amplifier and features 3 stereo inputs, 2 microphone inputs and onboard DSP functions. In low impedance ( $3\Omega/4\Omega$ ) mode the mixer/amplifier can provide up to 30W of power to two channels, or in 70/100V modes it can provide 60W to a single channel. With a 1/8" stereo input and an XLR combo jack input on the front and two RCA stereo inputs and a 3.5mm 3-pin Euroblock input on the rear, this mixer/amplifier has the input flexibility needed for commercial installations. The advanced DSP functions and built-in EQ allow for in-depth control of the signal path, keeping issues such as feedback in check. Includes AC power cable and 3.5mm Euroblock 3-pin plug.

ITEM	DESCRIPTION	PRICE
MA2030	Compact combo mixer/amplifier with DSP	COMING SOON!



### YORKVILLE COLISEUM INSTALLATION AMPS

The CAI/CAIT mixer amps have 6 inputs, 3 on XLR/1/4" combo jacks with user selectable phantom power. There are also 2 attenuated RCA unbalanced inputs and a telephone interface. Capable of driving a 4Ω speaker load or 4 separate 70V speaker systems (1 "system" per zone), these amps deliver 180W (mono) and include a pre-amp output. The CAIT model adds a built-in AM-FM tuner. The CV1 speaker volume control allows remote volume control of individual channels.

ITEM	DESCRIPTION	PRICE
CA1	70V installation mixing amplifier, 180W, 4Ω and 70V outputs	299.00
CA1T	70V installation mixing amplifier with AM-FM tuner	399.00
CV1	9-position, 70V in-wall speaker volume control for up to 35W/channel	40.00



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